



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

**Region 6 Laboratory**

Environmental Services Branch  
10625 Fallstone Road, Houston, TX 77099  
Phone: (281)983-2100 Fax: (281)983-2248

**Final Analytical Report**

Site Name -----Oil Trust Fund  
Sample Collection Date(s)-- 05/11/10  
Contact----- Rich Mayer (6PD-F)  
Report Date-----05/23/10  
Project #----- 10REG160  
Work Order(s)-----1005015

**Analyses included in this report:**

P/P 8015 DRO/ORO

**Report Narrative**

Sample Management:

This report contains the DRO/ORO data. The VOA, ABN, propylene glycol, 2-butoxyethanol, total metals, and oil & grease data were previously reported.

DRO:

DRO marginally fails in the MSD. The amount spiked was inadequate to properly calculate recovery and RPD. No bias was placed on source results.

ORO is qualified as high biased in the sample because the ending calibration check failed high.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:

\_\_\_\_\_  
Richard McMillin  
Region 6 Laboratory Manager

\_\_\_\_\_  
David Neleigh  
Region 6 Laboratory Branch Chief



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Houston, Texas 77099

## Sample Receipt and Disposal

Site Name: Oil Trust Fund

Project Number: 10REG160

Data Management Coordinator: Christy Warren

\_\_\_\_\_  
Data Management Coordinator Signature

\_\_\_\_\_  
Date

Date Transmitted: \_\_\_\_/\_\_\_\_/\_\_\_\_

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren  
Data Management Coordinator  
Region 6 Laboratory  
6MD-HS

\_\_\_\_\_  
Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Please provide a reason for holding:



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**ANALYTICAL REPORT FOR SAMPLES**

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
BOASS-051110	1005015-01	Phasic	5/11/10 12:45	05/13/10 08:40



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**DRO/ORO by EPA Method 8015 (GC-FID)**

**Lab ID: 1005015-01**

**Station ID: BOASS-051110**

Batch: B0E1404

Date Collected: 05/11/10

Sample Type: Phasic

Sample Weight: 0.103 g

Sample Qualifiers:

**Surrogates**

Analyte	Result mg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: o-Terphenyl</i>	7,420		109	70-130	05/14/10	05/14/10

**Targets**

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
<b>Diesel Range Organics (068334-30-5)</b>	<b>424,000</b>		9,710	1	05/14/10	05/14/10
<b>Oil Range Organics (NA)</b>	<b>113,000</b>	<b>K</b>	9,710	"	"	05/20/10



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**DRO/ORO by EPA Method 8015 (GC-FID) - Quality Control**

**Batch: B0E1404**

**Sample Type: Non-Aqueous Liquid**

**Blank (B0E1404-BLK1)**

Prepared: 5/14/2010 Analyzed: 5/14/2010

**Surrogates**

ANALYTE	Result mg/kg	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: o-Terphenyl</i>	6,020		6,140	98.1 70-130

**Blank (B0E1404-BLK1)**

Prepared: 5/14/2010 Analyzed: 5/14/2010

**Targets**

ANALYTE	Result mg/kg	Analyte Reporting Qualifiers Limit
Diesel Range Organics	U	8,770
Oil Range Organics	U	8,770

**LCS (B0E1404-BS1)**

Prepared: 5/14/2010 Analyzed: 5/14/2010

**Surrogates**

ANALYTE	Result mg/kg	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: o-Terphenyl</i>	6,270		6,480	96.8 70-130

**LCS (B0E1404-BS1)**

Prepared: 5/14/2010 Analyzed: 5/14/2010

**Targets**

ANALYTE	Result mg/kg	Analyte Reporting Qualifiers Limit	Spike Level	%REC Limits
Diesel Range Organics	168,000	9,260	185,000	90.7 70-130



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**DRO/ORO by EPA Method 8015 (GC-FID) - Quality Control**

**Batch: B0E1404**

**Sample Type: Non-Aqueous Liquid**

**Matrix Spike (B0E1404-MS1)**

**Source: 1005015-01**

Prepared: 5/14/2010 Analyzed: 5/14/2010

**Surrogates**

ANALYTE	Result mg/kg	Analyte Qualifier	Spike Level	%REC %REC	Limit Limits
Surr: o-Terphenyl	7,480		6,670	112	70-130

**Matrix Spike (B0E1404-MS1)**

**Source: 1005015-01**

Prepared: 5/14/2010 Analyzed: 5/14/2010

**Targets**

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limit Limits
Diesel Range Organics	645,000		19,000	190,000	424,000	116	70-130

**Matrix Spike Dup (B0E1404-MSD1)**

**Source: 1005015-01**

Prepared: 5/14/2010 Analyzed: 5/14/2010

**Surrogates**

ANALYTE	Result mg/kg	Analyte Qualifier	Spike Level	%REC %REC	Limit Limits
Surr: o-Terphenyl	7,880		6,860	115	70-130

**Matrix Spike Dup (B0E1404-MSD1)**

**Source: 1005015-01**

Prepared: 5/14/2010 Analyzed: 5/14/2010

**Targets**

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limit Limits	RPD RPD	Limit Limit
Diesel Range Organics	684,000		19,600	196,000	424,000	132 #	70-130	5.85	30





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## Notes and Definitions

K	The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
AES	Atomic Emission Spectrometer
CVAA	Cold Vapor Atomic Absorption
ECD	Electron Capture Detector
GC	Gas Chromatograph
GFAA	Graphite Furnace Atomic Absorption
ICP	Inductively Coupled Plasma
MS	Mass Spectrometer
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
TCLP	Toxicity Characteristic Leaching Procedure
U	Undetected
#	Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.